Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/12/2017 10:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124081	-1	1.67	123961	1.59
Blue	F	SSC	125000	122535	-2	3.01	122790	2.72
Blue	E	FITC	23355	22598	-4	2.34	1007	10.63
Blue	D	PE	28848	28054	-3	1.87	1008	9.85
Blue	B	PerCP-Cy5-5	47791	46484	-3	3.36	1334	17.37
Blue	A	PE-Cy7	41358	40808	-2	4.93	630	35.52
Red	C	APC	51316	50253	-3	2.65	2886	9.49
Red	A	APC-Cy7	53225	52556	-2	2.70	1084	11.21
Violet	B	V450	14473	13944	-4	3.68	672	9.03
Violet	A	V500	59973	58660	-3	3.39	2611	6.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18242	6.29	610	12	N/A	N/A	Pass
Blue	F	SSC	60753	1.42	542	8	N/A	N/A	Pass
Blue	E	FITC	114	39.20	546	2	0.0189	119	Pass
Blue	D	PE	221	28.95	541	3	0.1564	230	Pass
Blue	B	PerCP-Cy5-5	208	45.69	631	1	0.0095	73	Pass
Blue	A	PE-Cy7	68	119.75	683	2	0.0119	15	Pass
Red	C	APC	340	27.14	591	-3	0.0199	26	Pass
Red	A	APC-Cy7	118	40.30	572	-4	0.0055	1548	Pass
Violet	B	V450	81	42.59	470	-1	0.0432	1850	Pass
Violet	A	V500	190	24.37	501	0	0.0137	740	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.70	-31.26	0.87
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.31
Red	17.12	13.27 - 19.91	N/A	N/A	31.35	31.83	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11166

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments